

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Amend the claims as follows:

1-34. (Canceled)

35. (Currently Amended) An apparatus for dispensing materials to ~~vegetation~~ grapevines, wherein the grapevines include a canopy, the apparatus comprising:

- an under vine canopy dripper including a conduit having a channel, wherein the under vine canopy dripper is positioned under the canopy of the grapevines;
- an outlet coupled to the channel for conveying a material ~~substance~~ from the channel to the ~~vegetation~~ grapevines under the control of a central controller;
- a plurality of photodetectors ~~sensors~~ fixedly coupled to the conduit, wherein signals from the photodetectors ~~sensors~~ are transmitted to a central control system and are used to control conveyance of the material ~~substance~~ to the ~~plants~~ grapevines wherein the photodetectors are responsive to sunlight passing through the canopy of the grapevines, wherein the photodetectors are spaced at regular intervals corresponding to regular intervals of placement of the grapevines; and
- a sensor cable secured along a length of the conduit and electrically coupled to the sensors for transferring the signals to a destination.

36. (Currently Amended) The apparatus of claim 35, wherein one or more photodetectors ~~are sensors~~ is associated with a particular outlet, the apparatus further comprising:

- a flow control coupled between the central controller and ~~[[to]]~~ the particular outlet for regulating an amount of the material ~~substance~~ conveyed to the grapevines ~~vegetation~~;
- and
- ~~—— a control system coupled to the flow control and to the one or more sensors associated with the particular outlet, for sending a signal to regulate an amount of the substance conveyed to the vegetation in response to a signal from the one or more sensors.~~

37. (Original) The apparatus of claim 36, wherein the control system includes a microprocessor.

38 - 76. (Canceled)

77. (Currently Amended) The method of claim ~~[[79]]~~ 35, further comprising:
placing the conduit in proximity to regularly spaced grapevines ~~plants~~ so that a regular spacing of the photodetectors ~~sensors~~ is in substantial alignment with the grapevines' ~~plants'~~ regular spacing.

78. (Canceled)

79. (Previously Presented) The method of claim 35, wherein a group of the plurality of photodetectors ~~sensors~~ is spaced at regular intervals.

80. (Currently Amended) The method of claim 35, wherein a group ~~includes one or more plants~~ of one or more grapevines is associated with one or more particular photodetectors.

81. (Currently Amended) The method of claim 35, wherein the central control system includes ~~destination is~~ a central control center for controlling dispensing of the material in response to signals from two or more of the photodetectors ~~sensors~~.

82. (Canceled)